Gerald Schweiger

List of Publications by Year
in descending order

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17 papers	673 citations	687363 13 h-index	940533 16 g-index
17 all docs	17 docs citations	17 times ranked	616 citing authors

#	Article	IF	Citations
1	Information modelling for urban building energy simulationâ€"A taxonomic review. Building and Environment, 2022, 208, 108552.	6.9	33
2	IoT Middleware Platforms for Smart Energy Systems: An Empirical Expert Survey. Buildings, 2022, 12, 526.	3.1	8
3	Power-to-X in Denmark: An Analysis of Strengths, Weaknesses, Opportunities and Threats. Energies, 2021, 14, 913.	3.1	16
4	Experiences from City-Scale Simulation of Thermal Grids. Resources, 2021, 10, 10.	3.5	9
5	Modeling and simulation of large-scale systems: A systematic comparison of modeling paradigms. Applied Mathematics and Computation, 2020, 365, 124713.	2.2	27
6	Active consumer participation in smart energy systems. Energy and Buildings, 2020, 227, 110359.	6.7	48
7	Enabling large-scale dynamic simulations and reducing model complexity of district heating and cooling systems by aggregation. Energy, 2020, 209, 118410.	8.8	20
8	IBPSA Project 1: BIM/GIS and Modelica framework for building and community energy system design and operation â€" ongoing developments, lessons learned and challenges. IOP Conference Series: Earth and Environmental Science, 2019, 323, 012114.	0.3	19
9	Equation-based modelling for dynamic optimization of district scale energy systems â€" a scalability study. , 2019, , .		1
10	An empirical survey on co-simulation: Promising standards, challenges and research needs. Simulation Modelling Practice and Theory, 2019, 95, 148-163.	3.8	59
11	District Heating Systems: An Analysis of Strengths, Weaknesses, Opportunities, and Threats of the 4GDH. Energies, 2019, 12, 4748.	3.1	10
12	Validation of dynamic building energy simulation tools based on a real test-box with thermally activated building systems (TABS). Energy and Buildings, 2018, 168, 42-55.	6.7	48
13	District energy systems: Modelling paradigms and general-purpose tools. Energy, 2018, 164, 1326-1340.	8.8	44
14	Novel method to simulate large-scale thermal city models. Energy, 2018, 157, 633-646.	8.8	22
15	The potential of power-to-heat in Swedish district heating systems. Energy, 2017, 137, 661-669.	8.8	83
16	District heating and cooling systems â€" Framework for Modelica-based simulation and dynamic optimization. Energy, 2017, 137, 566-578.	8.8	107
17	Dynamic equation-based thermo-hydraulic pipe model for district heating and cooling systems. Energy Conversion and Management, 2017, 151, 158-169.	9.2	119